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PTO/SB/21 (09-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/699,116
	Filing Date	October 31, 2003
	First Named Inventor	Donnelly
	Art Unit	2187
	Examiner Name	Chace, C.
Total Number of Pages in This Submission	Attorney Docket Number	RAMB-01065US1

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
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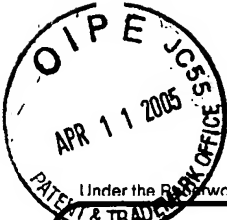
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Kirk J. DeNiro, Esq., Vierra Magen Marcus Harmon & DeNiro LLP		
Signature			
Printed name	Kirk J. DeNiro		
Date	April 7, 2005	Reg. No.	35,854

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Kirk J. DeNiro	Date	April 7, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/699,116
Filing Date	October 31, 2003
First Named Inventor	Donnelly
Examiner Name	Chace, C.
Art Unit	2187
Attorney Docket No.	RAMB-01065US1

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): Vierra Magen Marcus☒ Deposit Account Deposit Account Number: Harmon & DeNiro LLP Deposit Account Name: 501826

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Extra Claims	Fee (\$)
- 20 or HP =	x 50 =	0
HP = highest number of total claims paid for, if greater than 20.		
Indep. Claims	Extra Claims	Fee (\$)
- 3 or HP =	x 200 =	0
HP = highest number of independent claims paid for, if greater than 3.		

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Information Disclosure Statement fee 180

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 35,854	Telephone 415-369-9660
Name (Print/Type)	Kirk J. DeNiro		Date April 7, 2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 4

Complete if Known

Application Number	10/699,116
Filing Date	October 31, 2003
First Named Inventor	Donnelly
Art Unit	2187
Examiner Name	Chace, C.
Attorney Docket Number	RAMB-01065US1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-5742840	04-21-1998	Hansen et al.	
		US-5748872	05-05-1998	Norman	
		US-5860080	01-12-1999	James et al.	
		US-5867422	02-02-1999	John	
		US-5898863	04-27-1999	Ofer et al.	
		US-6006318	12-21-1999	Hansen et al.	
		US-6034878	03-07-2000	Osaka et al.	
		US-6038682	03-14-2000	Norman	
		US-6092229	07-18-2000	Boyle et al.	
		US-6125419	09-26-2000	Umemura et al.	
		US-6151648	11-21-2000	Haq	
		US-6154826	11-28-2000	Wulf et al.	
		US-6160423	12-12-2000	Haq	
		US-6255859	07-03-2001	Haq	
		US-6263413	07-17-2001	Motomura et al.	
		US-6327205	12-04-2001	Haq	
		US-6408402	06-18-2002	Norman	
		US-6487102	11-26-2002	Halbert et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

Date
Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2

of 4

Complete if Known

Application Number	10/699,116
Filing Date	October 31, 2003
First Named Inventor	Donnelly
Art Unit	2187
Examiner Name	Chace, C.
Attorney Docket Number	RAMB-01065US1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-6502161	12-31-2002	Perego et al.	
		US-6513080	01-28-2003	Haq	
		US-6154855	11-28-2000	Norman	
		US-6345321	02-05-2002	Litaize et al.	
		US-6369605	04-09-2002	Bonella et al.	
		US-6449213	09-10-2002	Dodd et a.	
		US-6625687	09-23-2003	Halbert et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete if Known

Application Number	10/699,116
Filing Date	October 31, 2003
First Named Inventor	Donnelly
Art Unit	2187
Examiner Name	Chace, C.
Attorney Docket Number	RAMB-01065US1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		*U.S. Patent Application Serial No. 10/713,868, filed 11-14-2003 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/714,025, filed 11-14-2003 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/714,026, filed 11-14-2003 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/883,474, filed 06-30-2004 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/882,999, filed 06-30-2004 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/859,438, filed 05-31-2004 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/858,850, filed 05-31-2004 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/859,060, filed 05-31-2004 by Pete D. Vogt	
		NG, R. (Sun Microsystems Inc.), "Fast computer memories", IEEE Spectrum, October 1992, pp. 36-39	
		SALTERS, R.H.W. (Philips Research Laboratories), "Fast DRAMS for sharper TV", IEEE Spectrum, October 1992, pp. 40-42	

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Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

4

of

4

Complete if Known

Application Number

10/699,116

Filing Date

October 31, 2003

First Named Inventor

Donnelly

Art Unit

2187

Examiner Name

Chace, C.

Attorney Docket Number

RAMB-01065US1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		JONES, F (United Memories, Inc.), "A new era of fast dynamic RAMs", IEEE Spectrum, October 1992, pp. 43-49	
		FARMWALD, M. et al. (Rambus Inc.), "A fast path to one memory", IEEE Spectrum, October 1992, pp. 50-51	
		GJESSING, S. (University of Oslo), GUSTAVSON, D.B (Stanford Linear Accelerator Center), JAMES, D. et al. (Apple Computer Inc.), WIGGER, H. (Hewlett-Packard Co.), "A RAM link for high speed", IEEE Spectrum, October 1992, pp. 52-53	
		The Institute of Electrical and Electronics Engineering, Inc., "IEEE Standard for High-Bandwidth Memory Interface Based on Scalable Coherent Interface (SCI) Signaling Technology (RamLink)", 1996, pp. 1-91	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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